

SIGNAL PROCESSING APPARATUS

Abstract of the Invention

5 The present invention involves method and apparatus for
analyzing two measured signals that are modeled as containing
primary and secondary portions. Coefficients relate the two
10 signals according to a model defined in accordance with the
present invention. In one embodiment, the present invention
involves utilizing a transformation which evaluates a
plurality of possible signal coefficients in order to find
appropriate coefficients. Alternatively, the present
15 invention involves using statistical functions or Fourier
transform and windowing techniques to determine the
coefficients relating to two measured signals. Use of this
invention is described in particular detail with respect to
blood oximetry measurements.

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